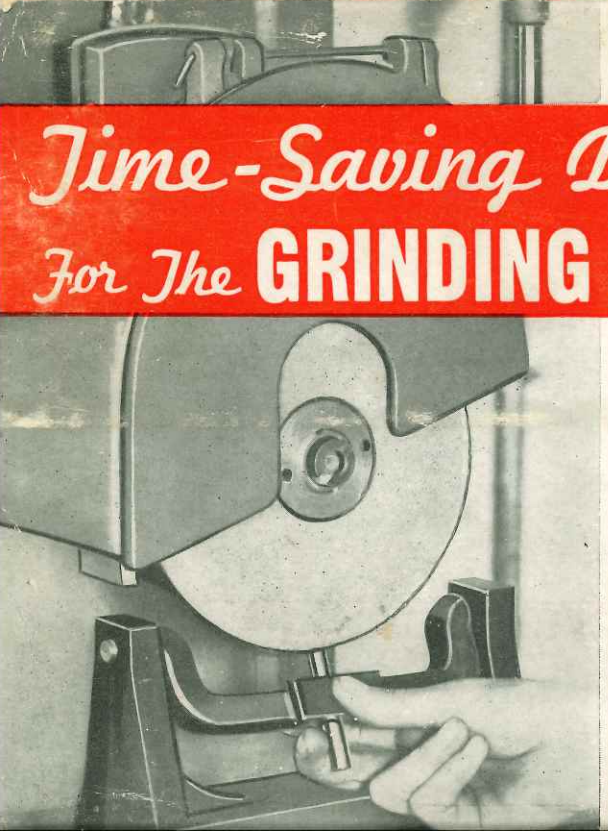


Time-Saving Devices For The GRINDING ROOM

Section 562, P. L. & R.

125
H.7A

JUN 29 1943

U. S. PATENT OFFICE

JUN 29 1943

MAILED

O. L. Lewis
c/o United States Patent Office
Richmond, Virginia

JUN 29 1943

LAMINATED MAGNETIC PARALLELS AND V BLOCKS

The Universal MAGNE-BLOX Set illustrated consists of two parallels measuring 1" x 1-3/4" x 3-3/4" and two V blocks measuring 1-3/4" x 2-3/8" x 1-7/8" complete in hardwood case.

MAGNE-BLOX Set, complete in case
Price.....$14.50

Hundreds of grinding departments in plants throughout the United States now use MAGNE-BLOX to speed up surface grinding operations, to save time and labor in setting up work and to hold odd shaped pieces that would ordinarily require complicated clamps and holding devices.

MAGNE-BLOX are placed upon the plane surface of the magnetic chuck and obtain their holding power by conduction. MAGNE-BLOX actually become a part of the magnetic chuck on a surface grinder and hold work with practically the same force as though the pieces were on the chuck itself.

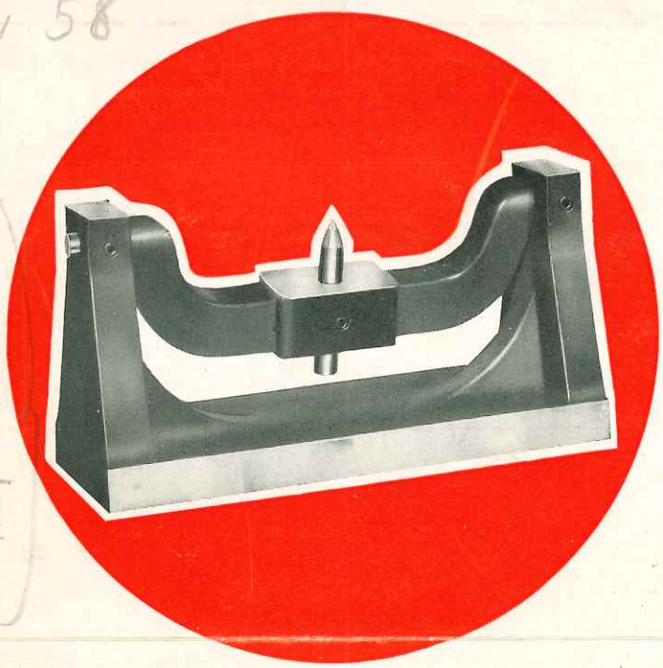
MAGNE-BLOX are manufactured of alternate laminations of brass and a specially selected iron of high magnetic capacity. The iron measures 5/64" and the brass laminations measure 1/32". These dimensions have been selected so that MAGNE-BLOX parallels and V blocks may be universally used on all types of magnetic chucks, including the permanent magnet type.

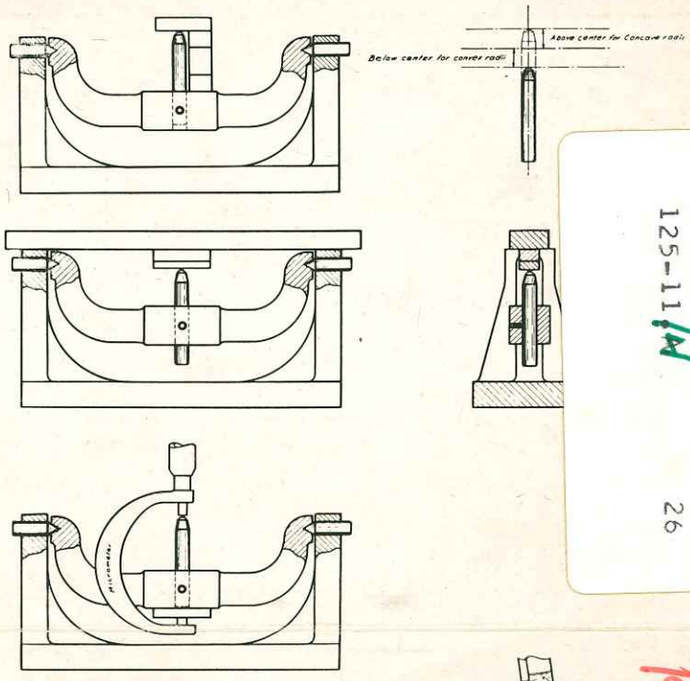
The four-piece Universal MAGNE-BLOX Set illustrated is manufactured by mass production methods, which enable us to offer the complete set for only $14.50. It is so reasonably priced that it is economical to equip every surface grinding machine in the plant with one set. Many individual toolmakers and surface grinder operators now have their own sets of MAGNE-BLOX and consider them required equipment. At the economical price of $14.50, this set belongs in the tool chest of every mechanic who operates a surface grinder.

MAGNE-BLOX are commonly used for surface grinding operations on pieces with offsets and shanks, irregularly shaped dies, jigs and fixtures, cylindrical work, and numerous types of surface grinding work which must constantly be performed in every shop, but which, because of the unusual construction, cannot be held directly on the face of the magnetic chuck.

MAGNE-BLOX PARALL[illegible]nd V BLOCKS *for Larger Work!*

THE MODERATE PRICED TOOL ... *for Precision Radius Dressing*





RADIUS DRESSER

The "LITTLE WONDER" RADIUS DRESSER is an inexpensive tool which can be of great aid wherever grinding wheels must be dressed quickly and accurately.

In order to obtain a desired radius, the diamond tool is first set a certain height from the bottom or top of the ground flat on a swinging arm.

The distance from the top of the flat to the axis of the center point is exactly 1", so that if a 1/2" radius is desired the diamond must be 1/2" from the top of the flat. This method is employed if a convex radius is desired. For concave radii, set above center.

To set the RADIUS DRESSER accurately, merely use a Depth Gage, gage block or micrometer. When using the micrometer, the measurement must be taken from the bottom of the flat, in which case the 3/4" thickness must be added.

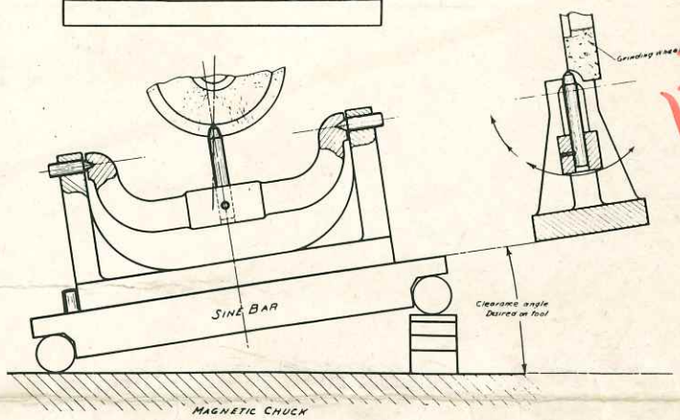
This is a very practical time-saving tool for dressing radii from 0-1", either convex or concave, and it has been in use for many years by manufacturers of all kinds for tool grinding, tap sharpening and various other types of work.

The "LITTLE WONDER" RADIUS DRESSER is a necessity for grinding forming tools, fillets, templets, and for grinding rake angles on collapsible tap chasers. It is used in the manufacturing of end cutting tools and other tools.

Users state that the outstanding feature is the short time required for set-up and the assurance of accurate grinding on various types of work.

The "LITTLE WONDER" RADIUS DRESSER is fully guaranteed by the GEORGE SCHERR CO., INC., for fine workmanship and dependability. It is manufactured in a plant that specializes in the production of grinding accessory equipment.

"LITTLE WONDER" RADIUS DRESSER Price.....$39.50
Natural-pointed cold-set 1/3 carat diamond for wheel dressing
Price.....$6.50



Grinding Form-Tools and Cutting Tools with Clearance

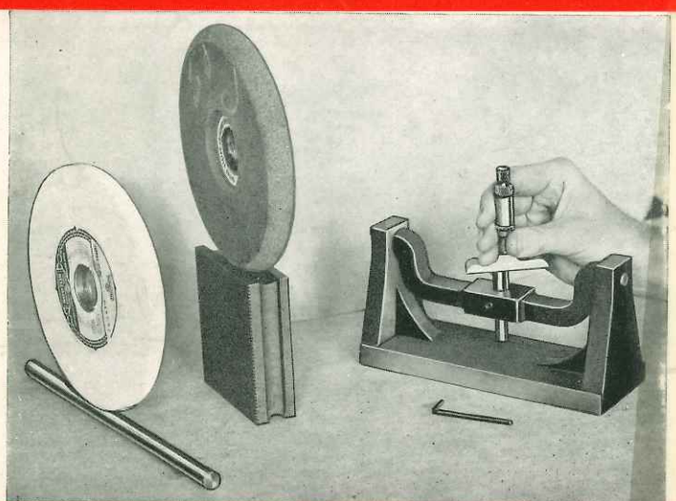
We call particular attention to the illustration directly above, which method is to be employed whenever cutting tools and forming tools, which have a clearance angle or relief for cutting, have to be ground.

The dresser is fastened on a sine plate set to the clearance angle of the tool.

The radius dressed on the wheel by this method does not coincide with the accurate radius, but the tool ground with the wheel so dressed will have the true radius, with the advantage that such a tool can be resharpened indefinitely without changing the form.

FOR QUICK DELIVERY, FILL IN, TEAR OUT AND MAIL CARD TODAY. ATTACH YOUR PRIORITY.

ORDER YOURS TODAY!



GEORGE SCHERR CO., INC., 128 Lafayette St., New York, N. Y.

GEORGE SCHERR CO., INC.
128 Lafayette Street
New York, N. Y.

Telephone: CAnal 6-3512

Please ship at once items checked for which I enclose $.....
Send C.O.D. ☐, Company Order herewith ☐. If not entirely satisfactory, I am allowed to return items within 10 days and receive full refund of payment made.

- ☐ "LITTLE WONDER" RADIUS DRESSER.....$39.50 Net F.O.B. New York
- ☐ COLD-SET 1/3 CARAT DIAMOND.....6.50 Net F.O.B. New York
- ☐ MAGNE-BLOX Set.....14.50 Net F.O.B. New York
- ☐ Single ANGLE IRON in case.....40.50 Net F.O.B. New York
- ☐ Matched Pair ANGLE IRONS in case.....81.00 Net F.O.B. New York

Name.....

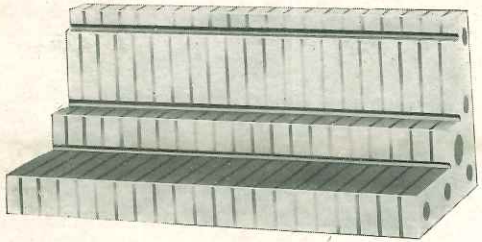
Address.....

City.....

State.....

GS ACCURACY

THE MAGNE-BLOX ANGLE IRON



The MAGNE-BLOX ANGLE IRON is one of the most useful devices ever developed as an accessory for the magnetic chuck. By placing this iron on your magnetic chuck, you actually have a magnetic right angle which provides practically the same holding power as the chuck itself. The steps measure 3/16", 3/8", 1/2", 5/8", 1-5/16", 1⅝" in width. Overall dimensions are 3" x 3" x 7½".

Price — Single ANGLE IRON in case.....$40.50

Price — Matched Pair ANGLE IRONS in case.....$81.00

Net—F.O.B. New York

MAILED

JUN 29 1943

U. S. PATENT OFFICE

FIRST CLASS
Permit No. 7370
Sec. 510, P. L. & R.
New York, N. Y.

BUSINESS REPLY CARD

NO POSTAGE STAMP NECESSARY IF MAILED IN THE UNITED STATES

2c.-POSTAGE WILL BE PAID BY —

GEORGE SCHERR CO., Inc.

128 LAFAYETTE STREET

NEW YORK, N. Y.